

FIG. 1

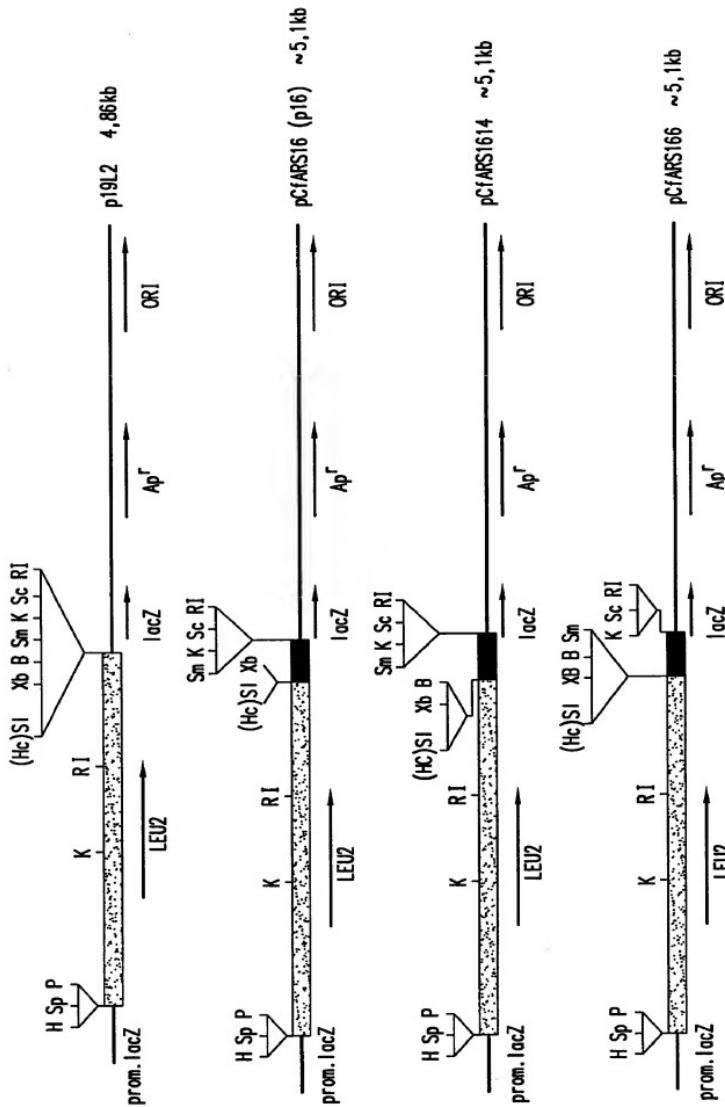


FIG. 2

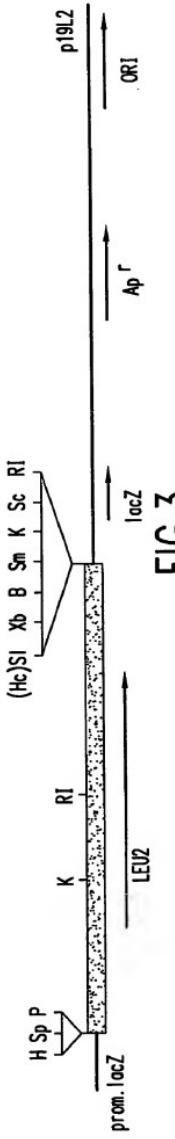
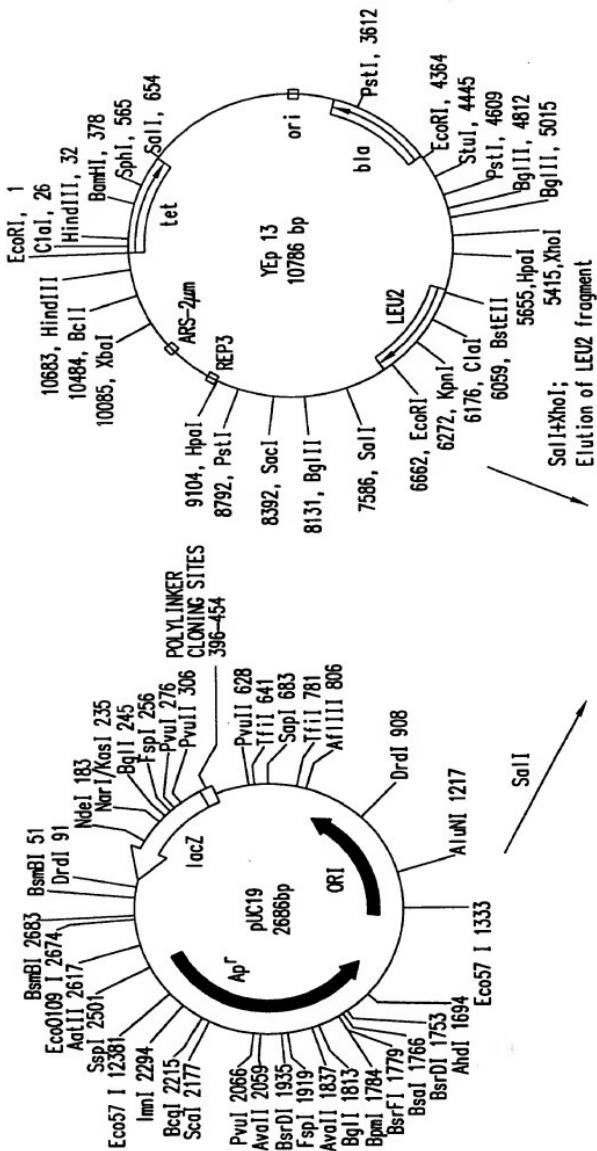


FIG.3

Appl. No. 09/903,508; Filed: July 13, 2001
Dkt. No. 333.0830003/MAC/RGM; Group Art Unit: 1645
Inventor(s): Abbas et al.; Tel: 202/371-2600
Title: Transformation Systems for Flavinogenic Yeast

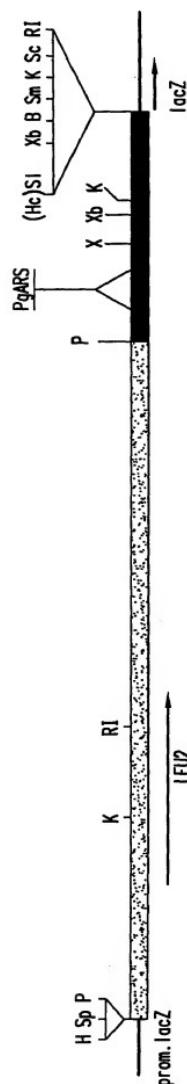


FIG. 4

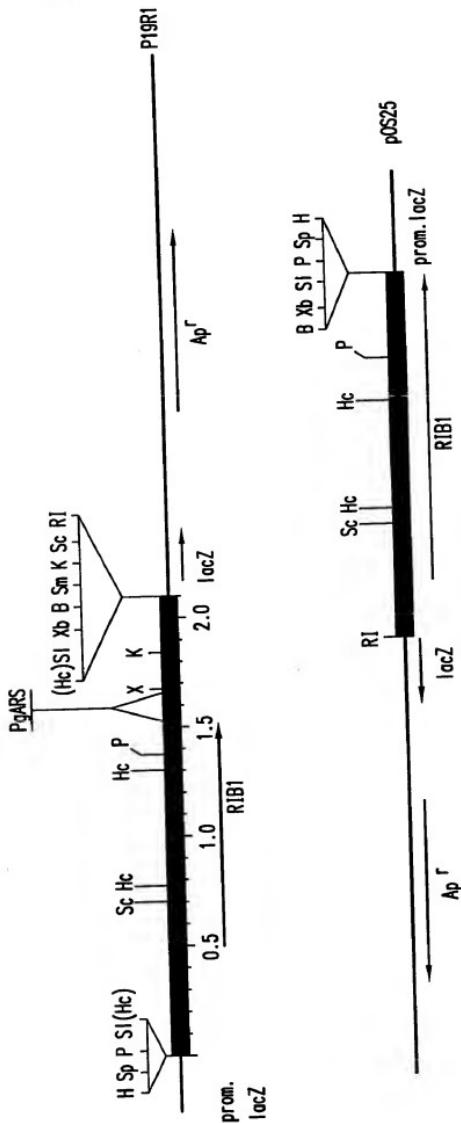


FIG. 5

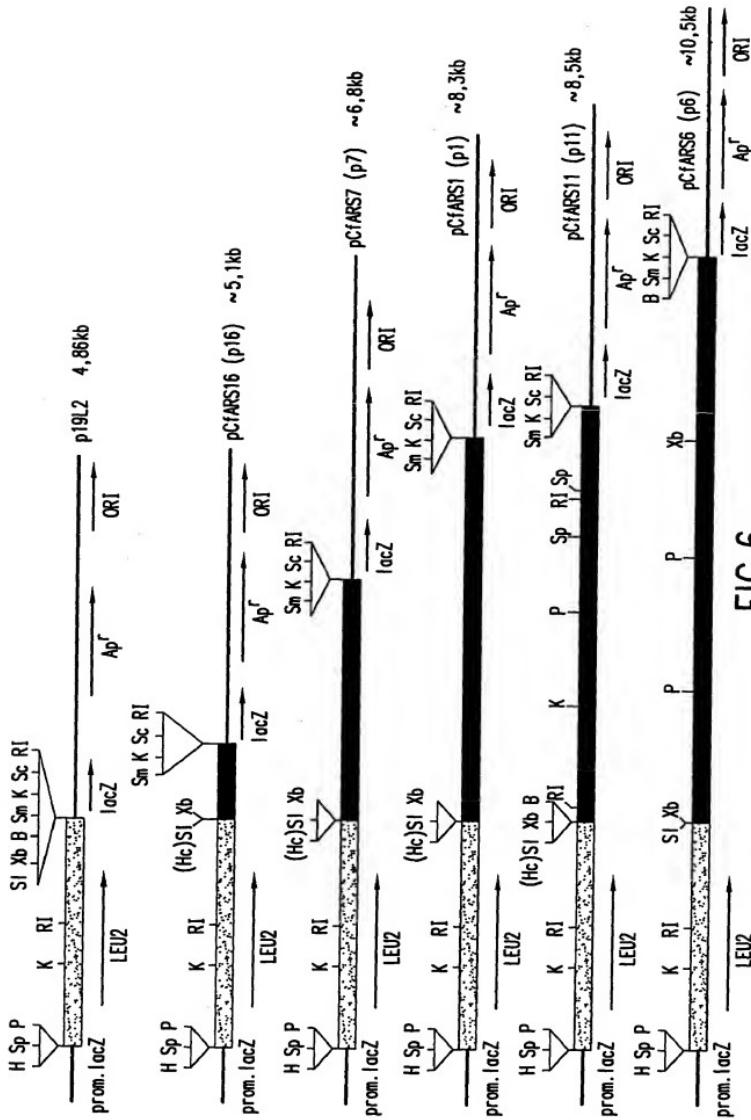


FIG. 6

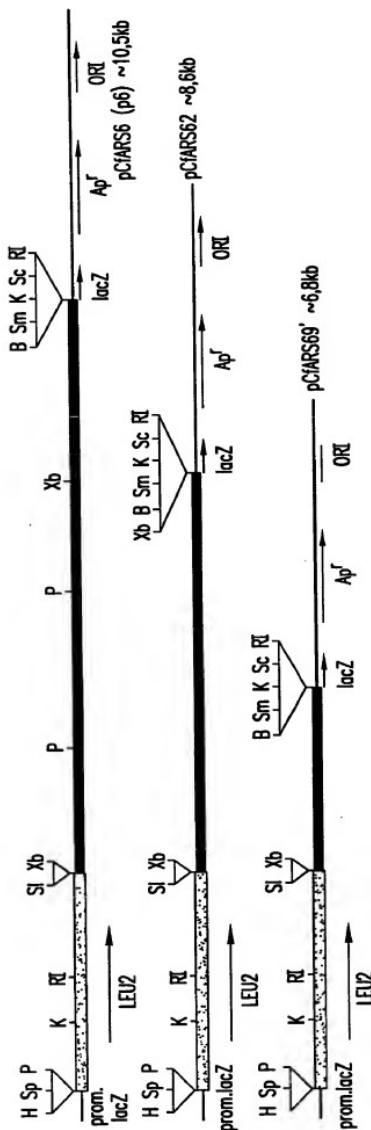


FIG. 7

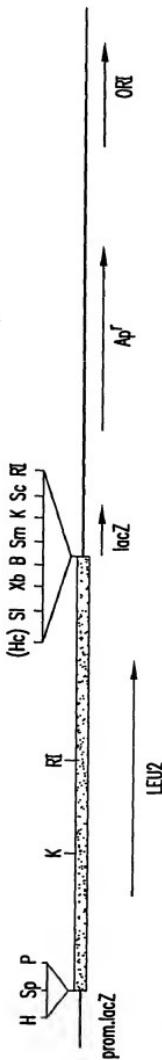


FIG. 8

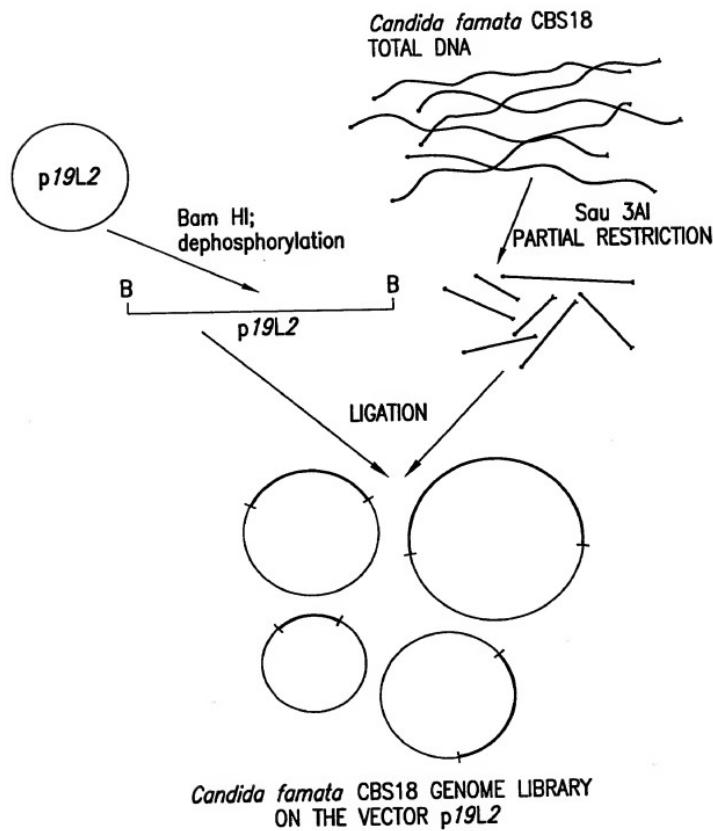


FIG.9

09903508 .043002

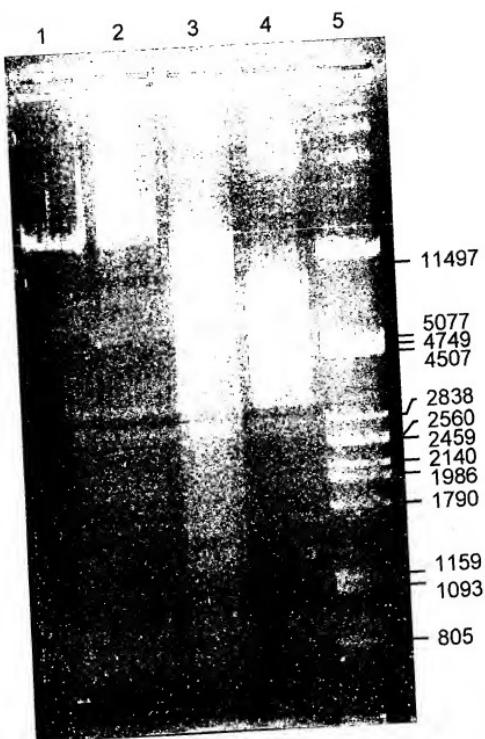


FIG.10

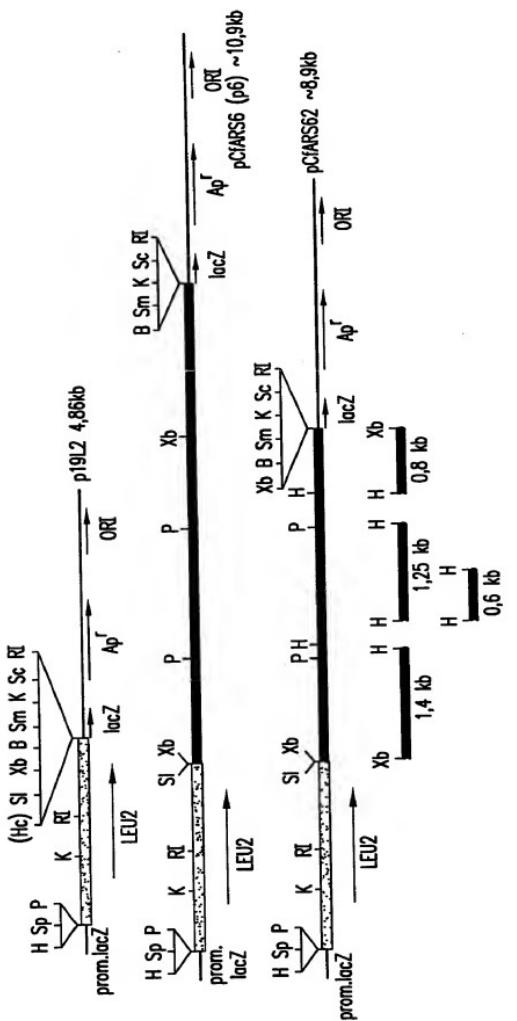


FIG. 11

Ap. 09/903,508; Filed: July 13, 2001
1533.083003/MAC/RGM; Group Art Unit: 1645
Inventor(s): Abbas et al.; Tel: 202/371-2600
Title: Transformation Systems for Plavirogenic Yeast



FIG.12

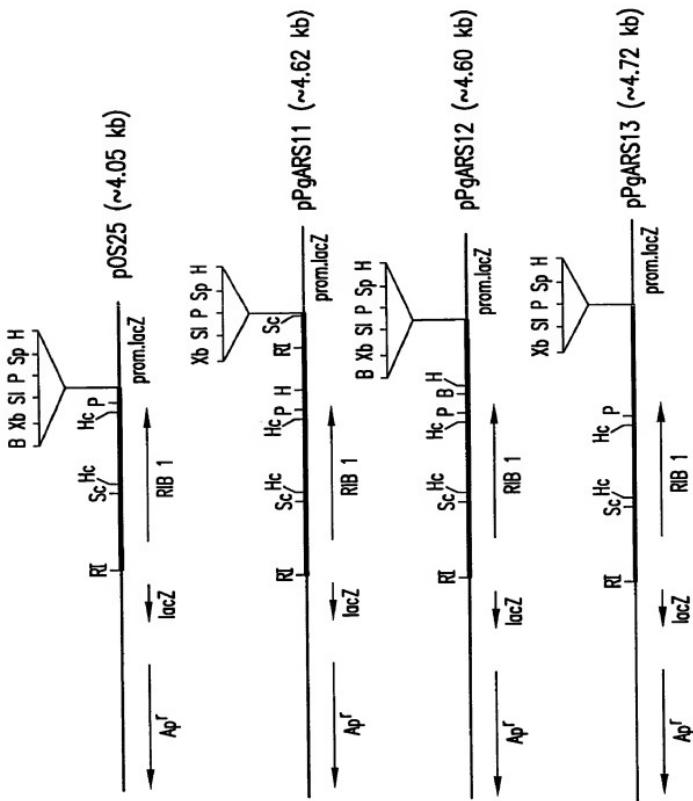


FIG. 13

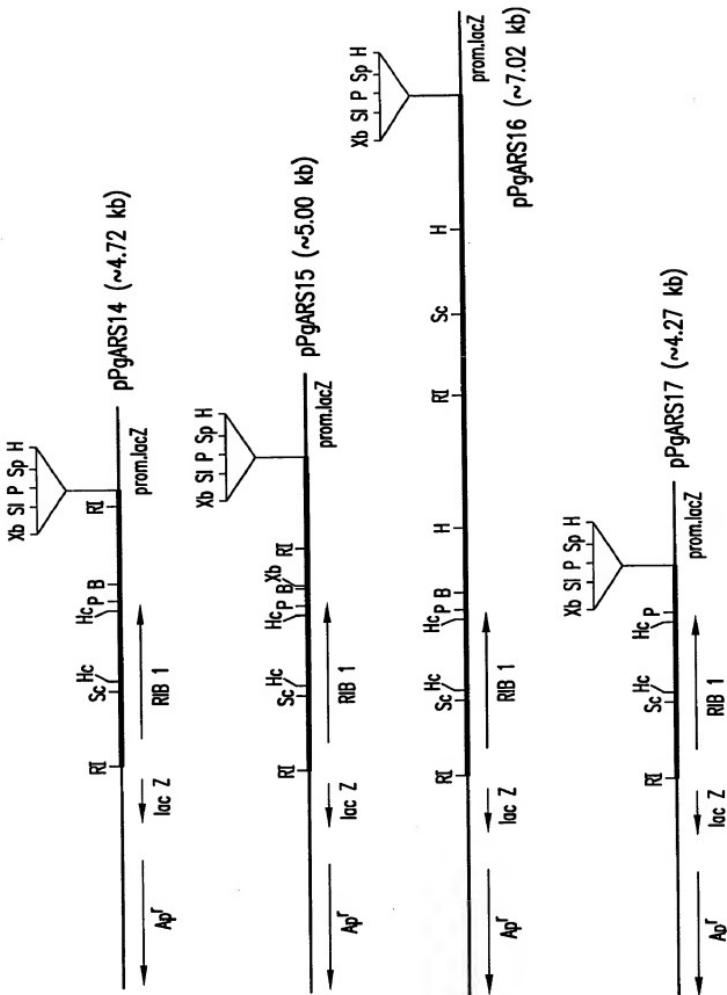


FIG. 14

<400> 1
cttgactgt tacgaattcg agctcggtac cggggatca tgaatgttag tcttttaca 60
ctgaatattt tttaacgt tttaataat tttgcaatc attaaagaaa aaccacaaat 120
ggttttccaa atttaaattt gattttttag aaagtctaa aaaaatagaat cataccaaat 180
aaagaacaac tttaagtacat tgatcacaat tcagaatatac aatcgatga tccgttcatg 240
gataaagctg caaagtccaa agcaaggcta actaagatcc tctagggga tcctcttagag 300
tcgactacgt cgtaaaggcc gtttctgaca gatgaaaattt cttagggaa ctttcacat 360
tatggaaat gggtcaagaa ggtatgtact taaactccat caaatggtca ggtctttag 420
tgtttttat ttgttgttatt ttttttttt tagagaaaaat cctccaatat ataaattagg aatcatagg 480
aatcatatgt tcatgatttt tagagaaaaat cctccaatat ataaattagg aatcatagg 540
tcatgatttt ctgttacacc taacttttg tggggcccc tcctcttgc caatattaat 600
ctgttacacc taacttttg tggggcccc tcctcttgc caatattaat gttaaagttc 660
aattctttt ctttatccacg ttgaggcatt agtatacaatt gttaaagttc aattttttt 720
ccttatccacg ttgaggcatt agtatacaatt tgcttaccc tattccctta catccctt 780
tttcccttc ttgataatgt tgcttaccc tattccctta catccctt tttcccttc 840
ttgataatgt tatgtatagg gctatatacg ttccgttcc cctatgaaca tattccattt 900
tatgtatagg gctatatacg ttccgttcc cctatgaaca tattccattt tgtaatttc 960
tgctgnntt attatgtattt tcatattatac aggttatgtt tgtaatttc ggcgtttcta 1020
ttatgtatggattt catttataaa gtttatgtcc aatatcataa aaaaagagaa tctttttaag 1080
caanggattt cttaaactcaa atatcataaa aaaaagagaaat ctttttaagc aagggatttt 1140
cttaacttnt tcggggacgc atccccgtt cggngactg gtggaccctt aaatctnttc 1200
ggcgacacgca tcccgacttc gnnnnactg tggaccctt aaatcccgat ntgatctgc 1260
ttccaaantt ttactgttgc ttcatggcc tacccaggat tctgaaacctgc atccaaantt 1320
tttactgttgc ttcaagggtt taccttnca ggcaggtaa tgacaattca catcntgcnc 1380
anacnaaaaa nngctttca gcaggtaa gcaatttac atcntgcnc aaaanananat 1440
ggcgatnccc tgacctntt ttggcaacga tnggtgacc tatnttgca aac 1493

FIG.15

tatgcacatt cgcacgcccga ggtgcagcgt ttagggcgcg ctcaacggaa gccaaacggcc 60
gccacaatt gtccggaaag tcgcggaaac tgatccactg gtaccacagc cccataagaa 120
ccccctttaa tattaaaaac cgttctttag ccacttttgta tcacatttgtt tgcagccgccc 180
cgttgtgcc atccaaacac cacgcgtccc cccgcacccctt ttacgggtgcc cactgcattt 240
gaatttgcat aaaacacgccc cacgaagtgg attaattttt agagcactca agtcatcatg 300
ctgcaatctc tgcatcatga aatgactccc gttgatacag ggaactcaga cccgaaggcg 360
cgaagagtca caagagcgtg ttagtgtgtt cgactctaga ggatccccgg gtac 414

FIG. 16

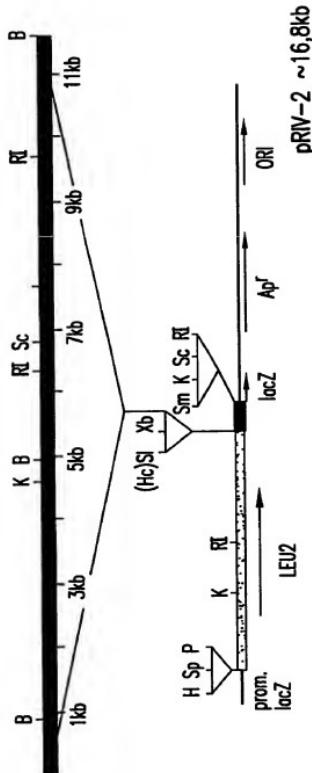


FIG. 17

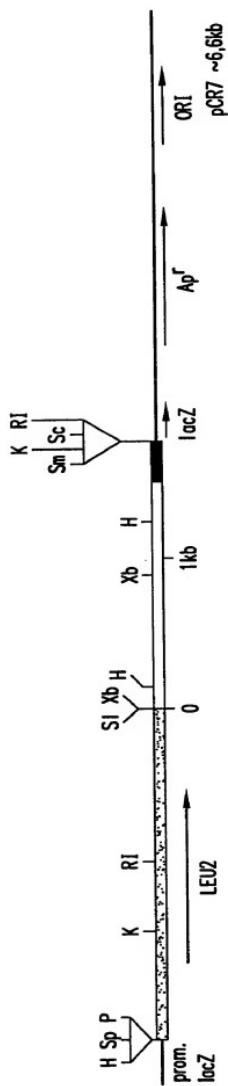


FIG. 18

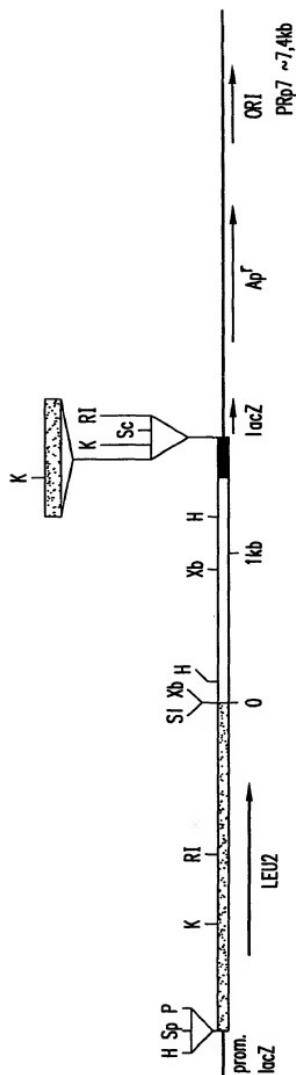


FIG. 19

tgattacgaa ttcgagctcg gtacccgggg atcatgaatg cttagtcttt tacactgaat 60
attttttaa cgattttta ataatttgc aatcatttaa gaaaaaccac aaatgtttt 120
ccaaaattta aattgattt ttagaaagt ctaaaaaata gaatcatacc aaataaagaa 180
caacttaaag tcactatgac aaattcagaat atacaatcgat atgatccgtt catggataaa 240
gctgcaaagt cacaaggaaag gctaactaaatg atcccttaga gtgcactacg tcgttaaggc 300
cgtttctgac agagtaaaat tcttgaggga actttcacca ttatggaaa tggttcaaga 360
aggttattgac ttaaactcca tcaaatggtc aggtcattga gtgtttttta ttgttgtat 420
ttttttttt ttagagaaaa tcctccaata tataaatttag gaatcatagttt tcatgattt 480
tctgtta 487

FIG.20

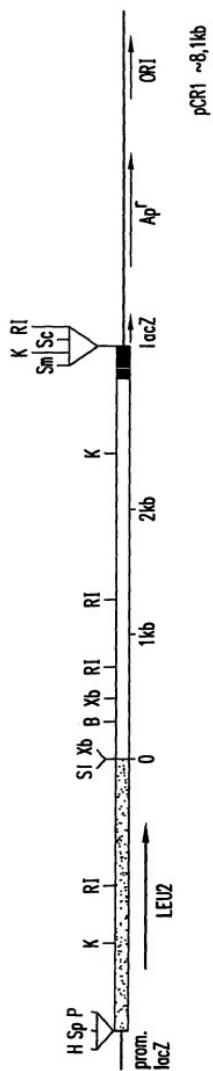


FIG.21

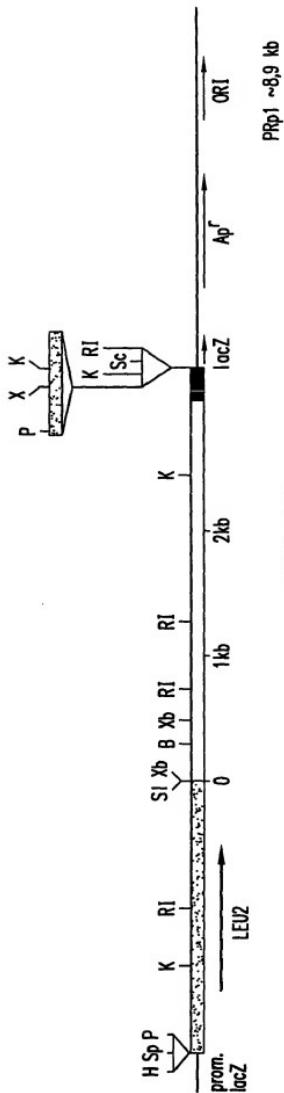


FIG. 22

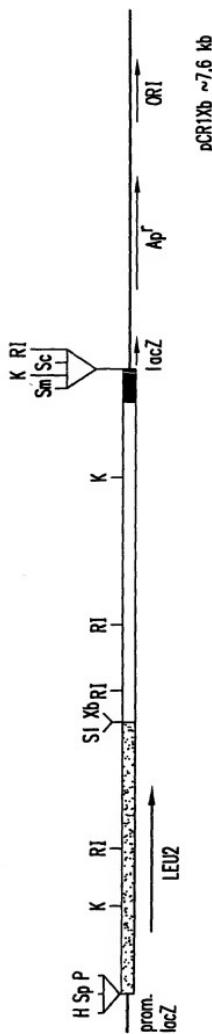


FIG.23

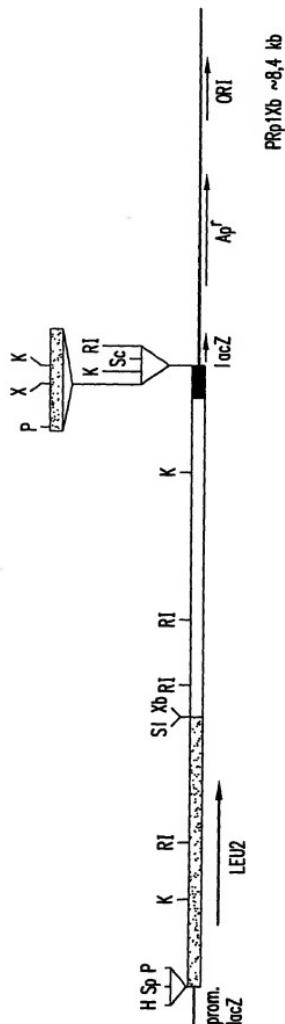


FIG. 24

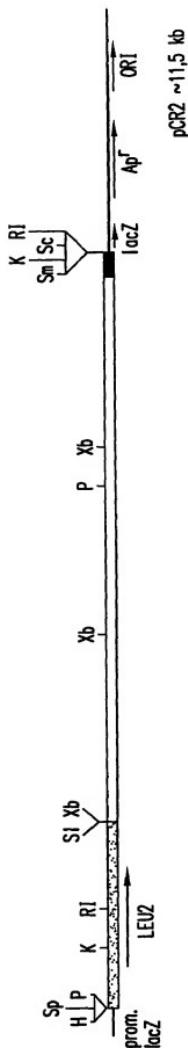


FIG. 25

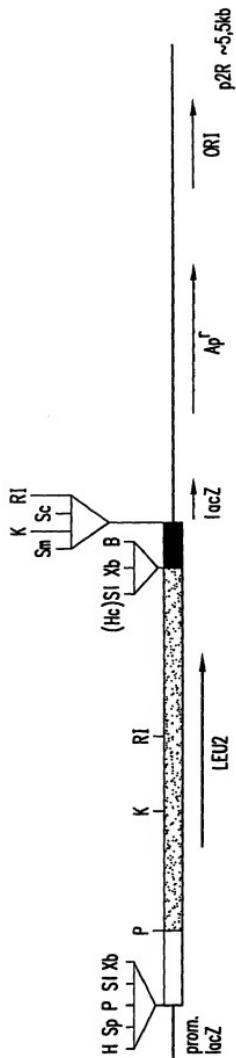


FIG. 26

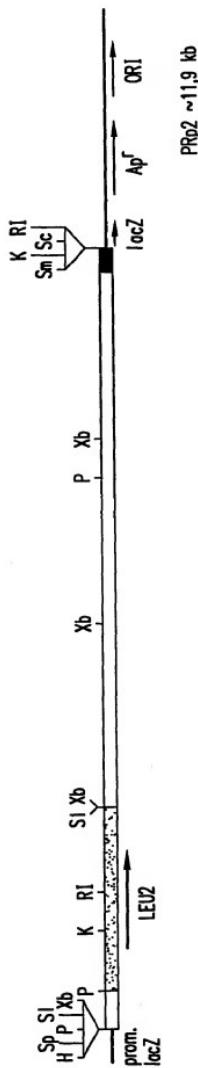


FIG.27

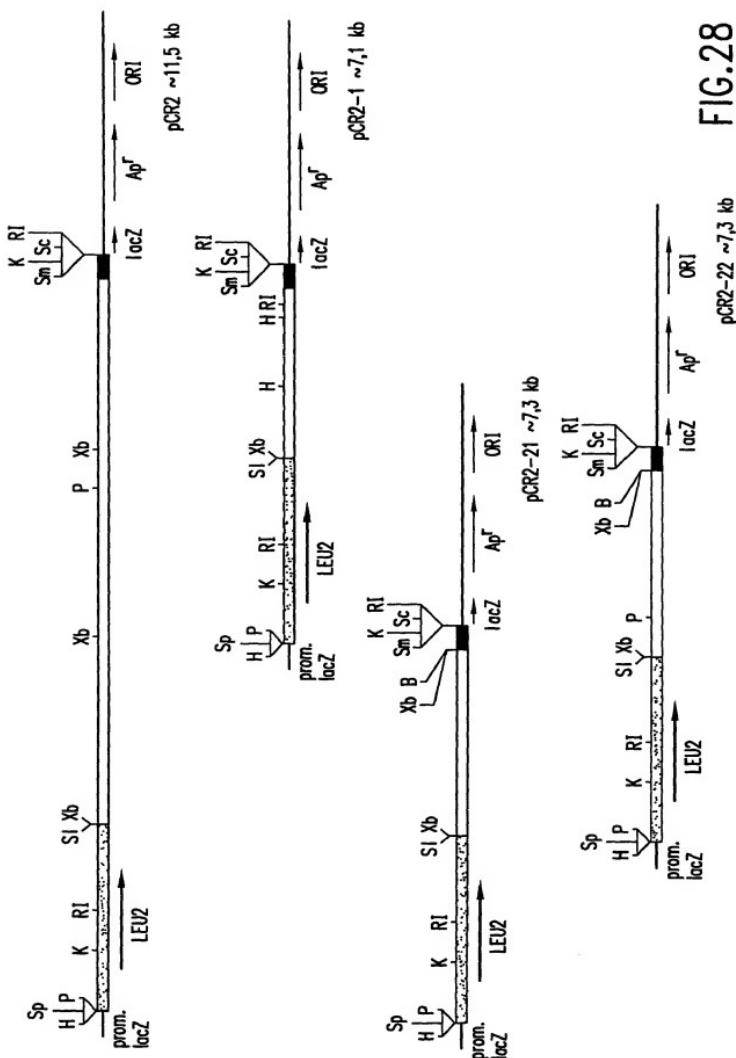


FIG. 28

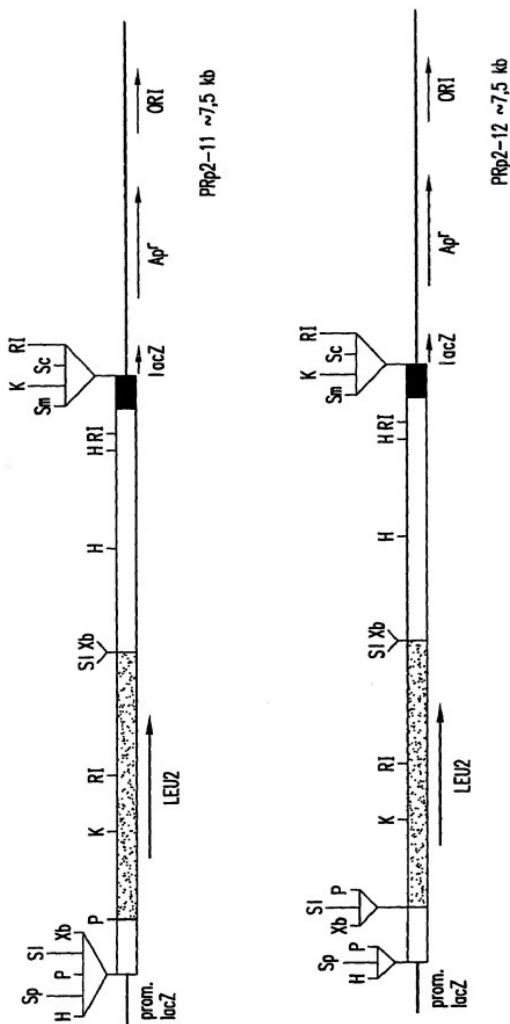


FIG.29

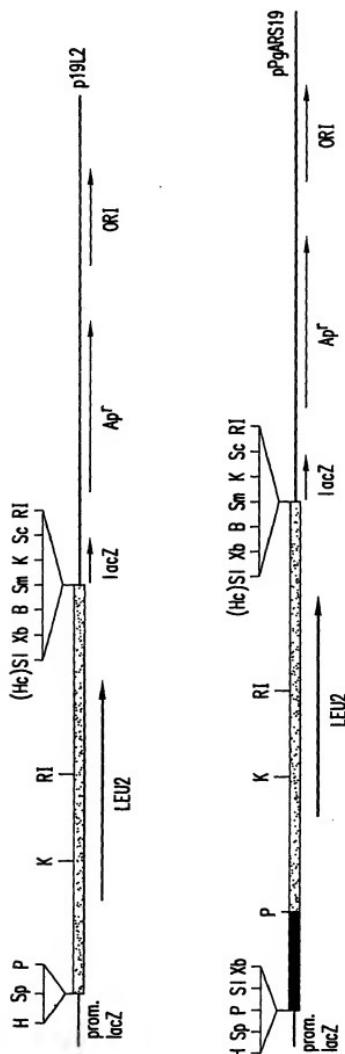


FIG. 30

Appl. No. 09/903,508; Filed: July 13, 2001
 Docket No. 133.0830003/MAC/RGM; Group Art Unit: 1645
 Inventor(s): Abbas et al.; Tel: 203/371-2600
 Title: Transformation Systems for Flavinogenic Yeast

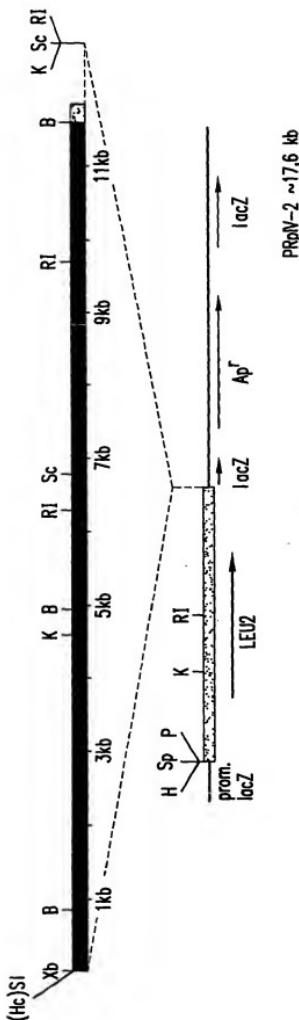


FIG.31

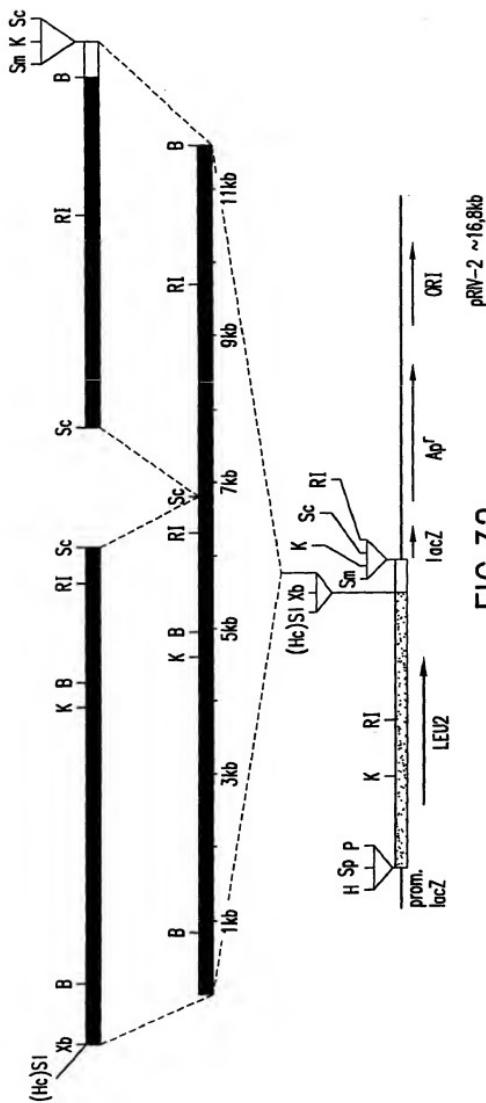


FIG. 32

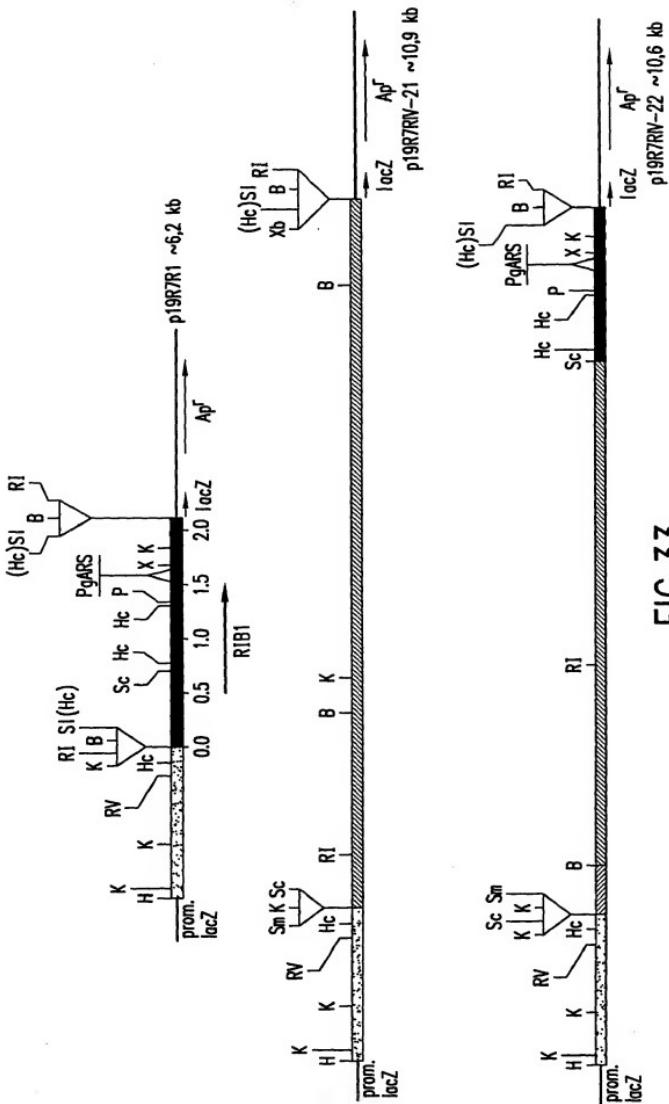


FIG. 33

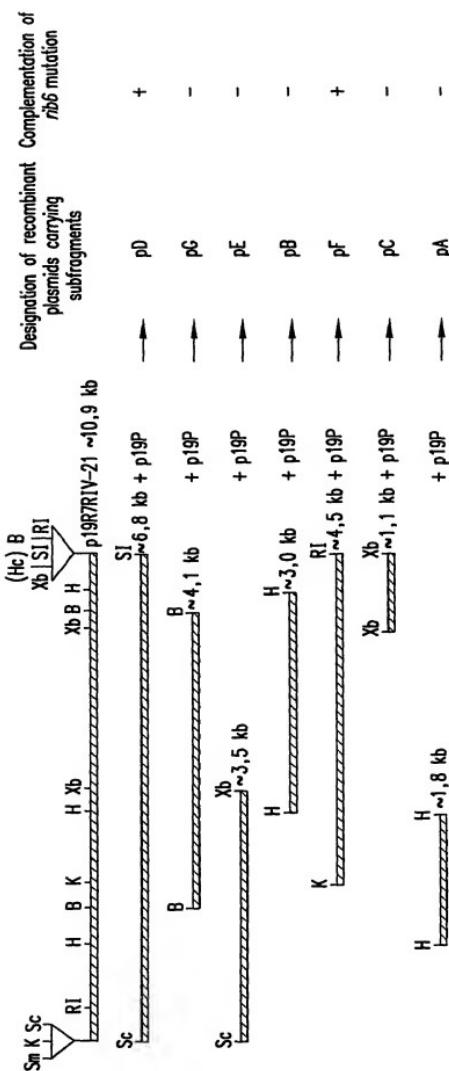


FIG. 34

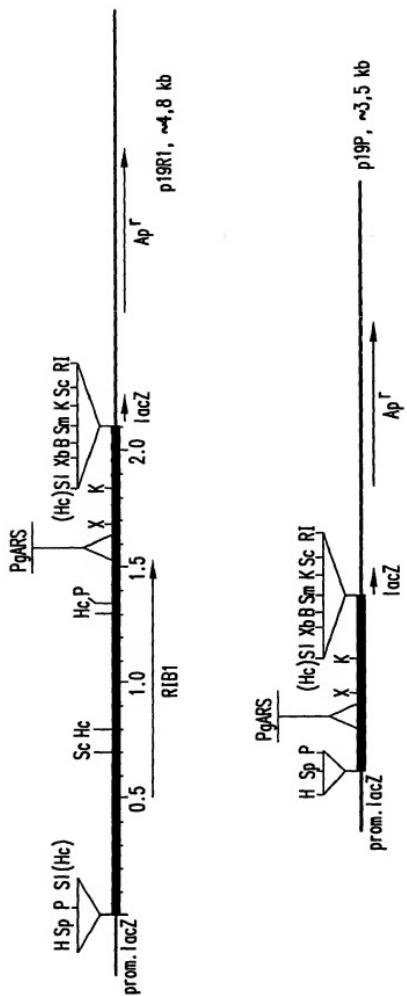


FIG. 35

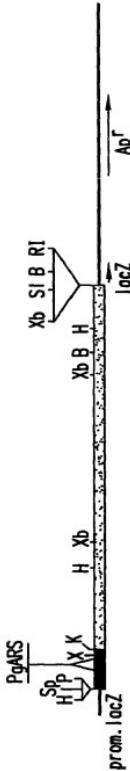


FIG.36

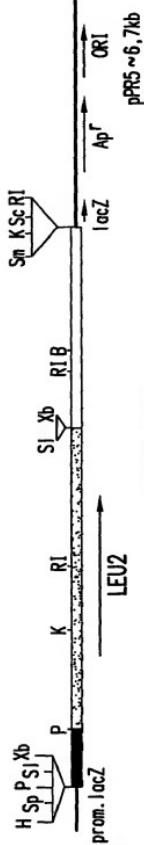


FIG.37

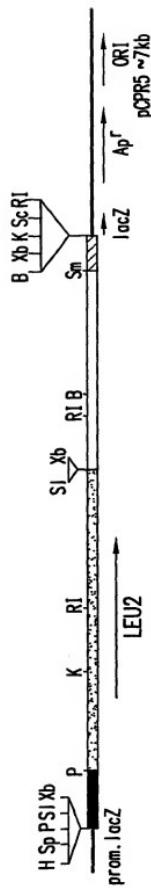


FIG.38

A 09/903,508; Filed: July 13, 2001
 D 533,083003/MAC/RGM; Group Art Unit: 1645
 Inventor(s): Abbas et al.; Tel: 202/371-2600
 Title: Transformation Systems for Flavinogenic Yeast

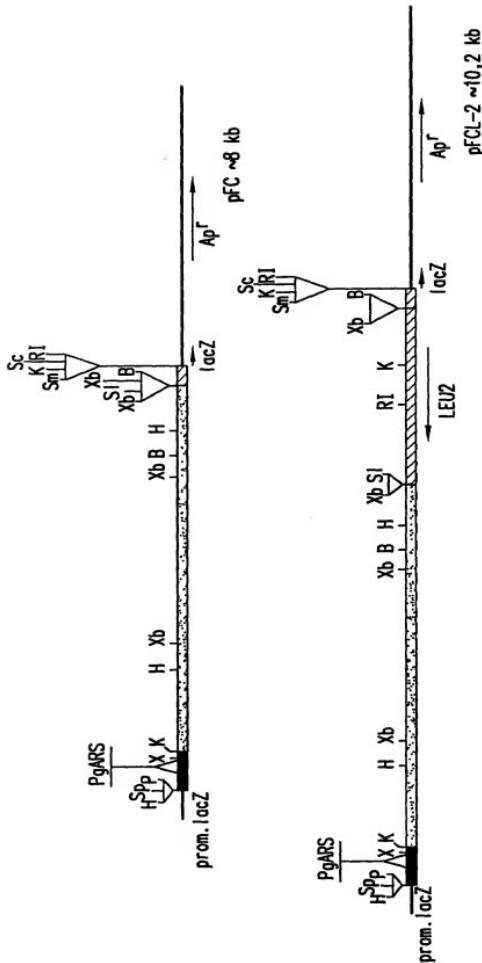


FIG. 39

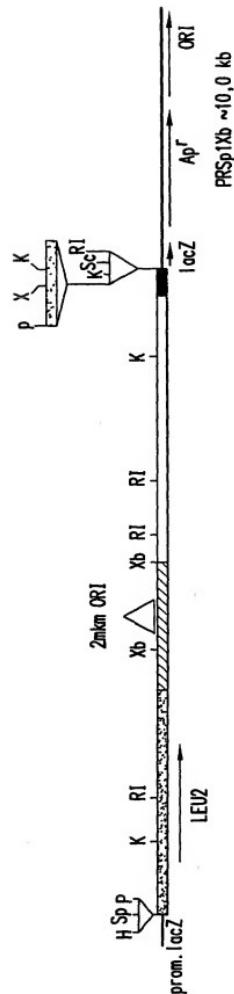


FIG. 40

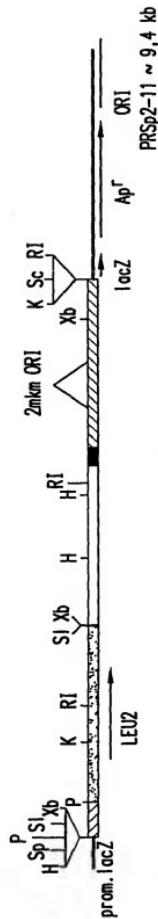


FIG. 41

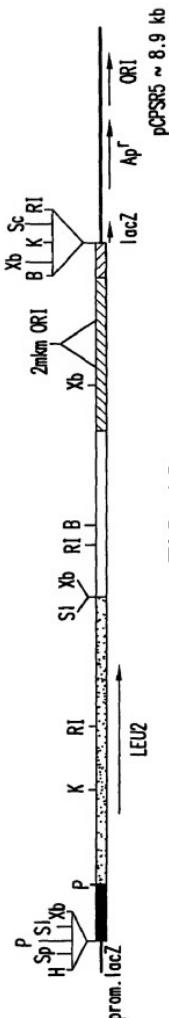


FIG.42

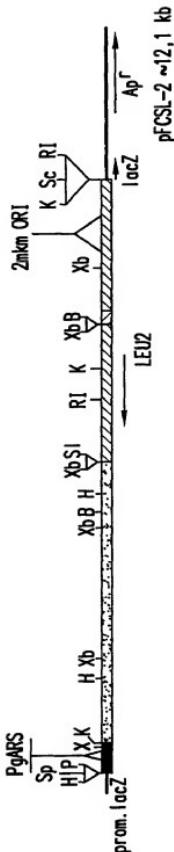


FIG.43

App. No. 0903,508; Filed: July 13, 2001
 Dkt. No. 03.0830003/MAC/RGM; Group Art Unit: 1645
 Inventor(s): Abbas et al.; Tel: 202/371-2600
 Title: Transformation Systems for Flavinogenic Yeast

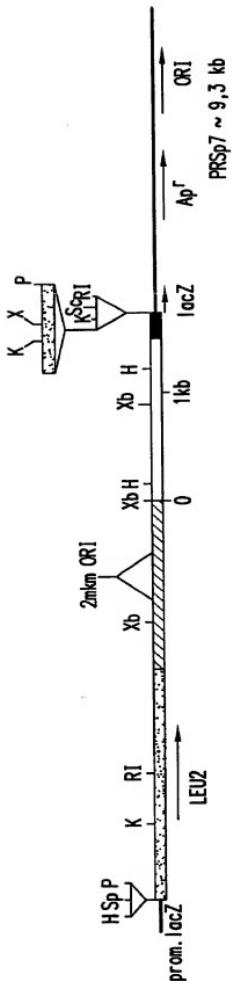


FIG.44

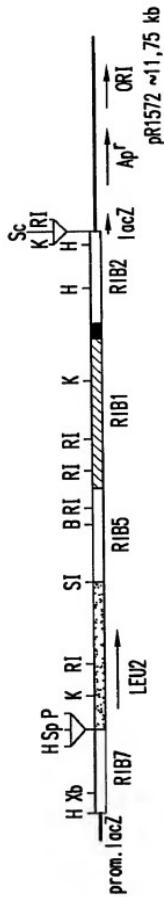


FIG.45